

## REPLACEMENT SHEET

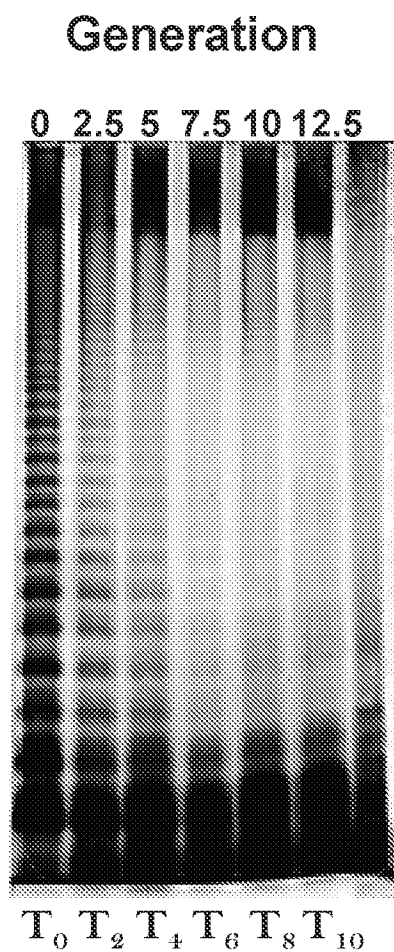
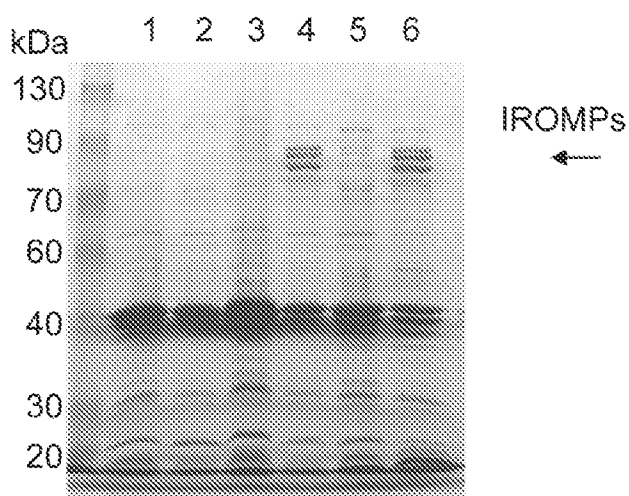


Figure 5. Reduction of LPS O-side chains in  $\chi 8650$  as a function of numbers of generations of growth or times (hours) of sampling.

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## Lanes:

1.  $\chi$ 3761 wild-type Nutrient broth (NB) + 0.2% arabinose
2.  $\chi$ 3761 wild-type NB
3.  $\chi$ 8634  $\Delta P_{fur223}::TT \text{ araC } P_{BAD} fur$  NB + 0.2% arabinose
4.  $\chi$ 8634 NB
5.  $\chi$ 8754  $\Delta P_{fur223}::TT \text{ araC } P_{BAD} fur \Delta pmi-2426$   
NB + 0.2% arabinose
6.  $\chi$ 8754 NB

Figure 6. Outer membrane protein profile of  $\Delta P_{fur223}::TT \text{ araC } P_{BAD} fur$  mutants grown in Nutrient broth +/- arabinose.

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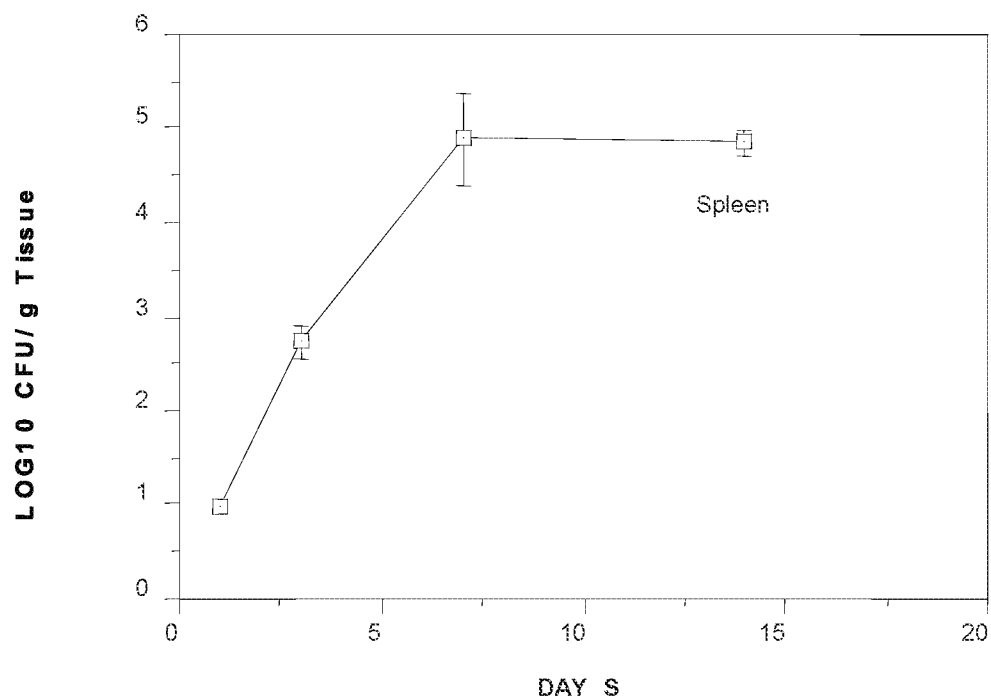
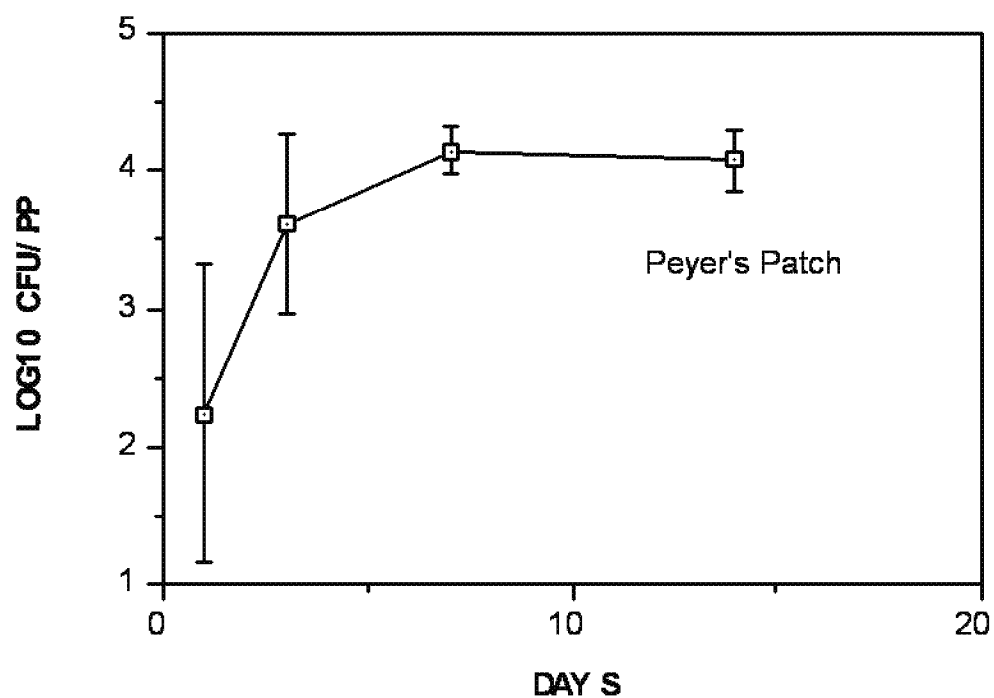


Figure 7. Colonization of 8-week-old female BALB/c mice with  $\chi 8634 \Delta P_{fur223}::TT_{araC} PBAD_{fur}$  following oral inoculation.

FIG. 7